IN THE CLAIMS

Claim 1 (previously amended):   A data transmission system comprising:

a two-way communication link comprising at least one satellite;

at least one user terminal having two-way communication with the two-way communication link and comprising a cache for selectively caching data broadcast by way of the satellite of the two-way communication link, and further comprising software which retrieves information requested by way of the user terminal and information related to the requested information; and

at least one gateway having access to data and having two-way communication with the two-way communication link.

Claim 2 (original):   The system recited in Claim 1 wherein the two-way communication link comprises a low bandwidth two-way communication link.

Claim 3 (original):   The system recited in Claim 2 wherein the low bandwidth two-way communication link comprises a Ka-band communication link.

Claim 4 (original):   The system recited in Claim 1 wherein the two-way communication link comprises a low bandwidth request link and a high bandwidth data broadcast link.

Claim 5 (original):   The system recited in Claim 4 wherein the low bandwidth request link comprises a Ka-band communication link.

Claim 6 (original):   The system recited in Claim 5 wherein the Ka-band communication link provides a plurality of spot beams that cover selected coverage regions.

Claim 7 (original):   The system recited in Claim 4 wherein the high bandwidth broadcast link comprises a Ku-band communication link.

Claim 8 (currently amended):　　The system recited in Claim 7 wherein the
　　　Ku-band communication link broadcasts a wide area coverage beam
　　　to ~~allows~~ allow the requested information to be received by multiple user
　　　terminals.

Claim 9 (canceled)

Claim 10 (original):　　　　The system recited in Claim 1 wherein the at
　　　least one gateway comprises a cache.

Claim 11 (currently amended):　　A method of data communication ~~data~~
　　　　comprising the steps of:
　　　　providing one or more orbiting satellites that comprise a two-way
　　communication link;
　　　　providing at least one user terminal having two-way
　　communication with the two-way communication link and comprising a
　　cache for selectively caching data broadcast by way of the two-way
　　communication link, and further comprising software which retrieves
　　information requested by way of the user terminal and information
　　related to the requested information;
　　　　providing at least one gateway having access to data and having
　　two-way communication with the two-way communication link;
　　　　generating requests for data at the at least one user terminal;
　　　　transmitting the requests for data from the at least one user
　　terminal by way of the two-way communication link to the at least one
　　gateway;
　　　　obtaining the requested data at the at least one gateway; and
　　　　transmitting the requested data from the at least one gateway to
　　the at least one user terminal by way of the two-way communication link.

Claim 12 (original): The method recited in Claim 11 wherein the step of transmitting the requests for data comprises transmitting the requests for data by way of a low bandwidth communication link.

Claim 13 (original): The method recited in Claim 12 wherein the low bandwidth communication link comprises a low bandwidth satellite communication link.

Claim 14 (original): The method recited in Claim 12 wherein the low bandwidth communication link comprises a low bandwidth terrestrial communication link.

Claim 15 (original): The method recited in Claim 12 wherein the low bandwidth communication link comprises a low bandwidth wireless communication link.

Claim 16 (original): The method recited in Claim 11 wherein the step of transmitting the requested data comprises transmitting the data by way of a low bandwidth communication link.

Claim 17 (original): The method recited in Claim 11 wherein the step of transmitting the requested data comprises transmitting the data by way of a high bandwidth data broadcast link.

Claim 18 (canceled)

Claim 19 (original): The method recited in Claim 11 wherein the step of obtaining the requested data at the at least one gateway comprises using a user's request history to obtain the requested information.

Claim 20 (original):   The method recited in Claim 11 wherein the step of obtaining the requested data at the at least one gateway comprises using a user's user profile to obtain the requested information.

Claim 21 (currently amended):   The method recited in Claim 11 further comprising the steps of:
obtaining the requested data along with data related to the requested data at the at the at least one gateway; and
transmitting the requested and related data from the at least one gateway to the at least one user terminal by way of the two-way communication link.

Claim 22 (previously amended):   The method recited in Claim 21 further comprising the steps of:
storing the requested information at the at least one gateway; and
storing the related information at the at least one gateway.

Claim 23 (original):   The method recited in Claim 17 further comprising the step of broadcasting the requested information at predetermined intervals to simulate real-time information broadcasts.

Claim 24 (original):   The method recited in Claim 23 wherein the requested information that is broadcast comprises a predetermined number of most-requested web pages.

Claim 25 (previously amended):   A data transmission system comprising:
a terrestrial communication link for communicating requests for data;
a satellite broadcast link for transmitting the requested data;
at least one gateway having access to data that communicates with the terrestrial communication link and the satellite broadcast link; and
at least one user terminal that communicates with the terrestrial

communication link and the satellite broadcast link and that comprises a cache for caching the requested data broadcast by the satellite broadcast link, and further comprises software which retrieves information requested by way of the user terminal and information related to the requested information.

Claim 26 (canceled)

Claim 27 (original): The system recited in Claim 25 wherein the at least one gateway comprises a cache.

Claim 28 (original): The system recited in Claim 25 further comprising a terrestrial communication link for transmitting the requested data to the at least one user terminal in the event that the satellite broadcast link becomes inoperative.

Claim 29 (previously amended): A data transmission system comprising:
a two-way communication link comprising at least one satellite;
at least one user terminal having two-way communication with the two-way communication link and comprising a cache for selectively caching data broadcast by way of the satellite of the two-way communication link, and further comprising software which retrieves information requested by way of the user terminal and information related to the requested information; and
at least one gateway having access to data and having two-way communication with the two-way communication link;
which two-way communication link selectively comprises (1) low bandwidth data request and delivery channels, or (2) a low bandwidth data request channel and a high bandwidth data delivery channel, or (3) terrestrial data request and delivery channels.

Claim 30 (previously added): The system in Claim 1 wherein the cache has a size on the order of 30 gigabytes.

Claim 31 (previously added):   The system in Claim 1 wherein the cache
comprises a multi-gigabyte hard disk drive.

Claim 32 (new):   A method of data communication comprising
the steps of:

providing one or more orbiting satellites that comprise a two-way
communication link;

providing at least one user terminal having two-way
communication with a two-way communication link;

providing at least one gateway having access to data and having
two-way communication with the two-way communication link;

generating request for data at the at least one user terminal;

transmitting the request for data from the at least one user
terminal by way of the two-way communication link to the at least one
gateway;

obtaining the requested data at the at least one gateway; and

transmitting the requested data from the at least one gateway to
the at least one user terminal by way of the two-way communication link
wherein the requested data is transmitted by way of a high bandwidth
data broadcast link at predetermined intervals to simulate real time
information broadcasts.

Claim 33 (new):   A method of data communication comprising
the steps of:

providing one or more orbiting satellites that comprise a two-way
communication link;

providing at least one user terminal having two-way
communication with a two-way communication link;

providing at least one gateway having access to data and having
two-way communication with the two-way communication link;

generating request for data at the at least one user terminal;

transmitting the request for data from the at least one user terminal by way of the two-way communication link to the at least one gateway;

obtaining the requested data at the at least one gateway; and

transmitting the requested data from the at least one gateway to the at least one user terminal by way of the two-way communication link wherein the requested data is transmitted by way of a high bandwidth data broadcast link at predetermined intervals to simulate real time information broadcasts; wherein the requested information that is broadcast comprises a predetermined number of most requested web pages.